LOGGE			BEGIN DATE	COMPLETION DATE											1)		HOLE ID				
M. McKee 1-15-08 1-16-08						N2120901.487 / E5997123.148 (NAD83)											MPTNB-R5				
DRILLING CONTRACTOR Gregg Drilling and Testing, Inc.						DREHOLE LOCATION (Offset, Station, Line) Dffset 111ft R Sta 54+19 NB Alignment												SURFACE ELEVATION 15.035 ft (NAVD88)			
DRILLING METHOD						DRILL RIG												BOREHOLE DIAMETER			
Mud Rotary SAMPLER TYPE(S) AND SIZE(S) (ID)						Fraste Multi-drill (track)												5 in.			
SAMPLER TYPE(S) AND SIZE(S) (ID) MC (2.4"), SPT (1.4"), Grab, Shelby (2.87"), Pitcher (2.8)						SPT HAMMER TYPE 7'Automatic, 140 lbs., 30-inch drop												HAMMER EFFICIENCY, ERI 72.9%			
BOREHOLE BACKFILL AND COMPLETION Neat Cement Grout backfill						VATE	R	DURII	NG D	RILL	ING	AF	TER	ORILLIN	IG (D	ATE)	TOTAL DE		BORING	i .	
	READINGS	EADINGS 5.5											181.5 f	t							
(#) Z						tion	2	_	oot				ght	£,	g						
Į	Œ,	ω l				Loca		er 6 I	er Fc	у (%)		%	Wei	Strength	Weth	nd nebu					
ELEVATION	DEРТН (ft)	Material Graphics				Sample Location	ב	Blows per 6 In	Blows per Foot	Recovery (RQD (%)	isture Itent	Dry Unit Weight (pcf)	ear S	Drilling Method	B					
ᆸ	-0 <u>-</u>	Mai		Description		Sar	מ	Blo	Blo	Rec	g :	δο Σ	Dry (pc	Shear (tsf)		2	R	emarks			
		000	3" ASPHALT CONCR Poorly graded GRAVE	ETE EL with SAND (GP), redd	ish brown,	⊗ s	1								181					E	
	1		moist, trace CLAY (ch	nert fragments). [FÍLL] BRAVEL (SC), yellowish		/									$ \lambda $						
13.04	2		some pockets of brow	rn to reddish brown CLAY arse. subrounded (siltstor	YEY SAND,	∭ S S		4	8	89											
	3		sandstone fragments)		ne anu	M		4 4			-	9.2	119.1								
11.04	4					s	4	2	6	100											
11.04	1					M		3							K						
	5																				
9.04	6														33						
	7		7 Ol hudroorbon odo	r datacted		.	_														
7.04	8	//		dark greenish gray, wet,		- ∐ ∪	5		50 psi	73					M						
7.04	°E		occasional pockets (u clean SAND. [MARIN	p to 1/4" diameter) of dar E SAND]	rk gray fine,										\sim	PA					
	9													TV = 0.35	M						
5.04	10																			E	
	11														20						
			Fat CLAY (CH), very s fine SAND, with black	soft, dark gray, wet,orgar specks. [BAY MUD]	nic odor, trace										300						
3.04	12					U	6		0	100										E	
2	13								psi		-	0.5	92.3			PI, LL	C				
1.04	14		CLAYEY SAND (SC), [MARINE SAND]	very loose, dark gray, w	et, fine.							65	92.3		300	F1, LL	., О				
Z N	15					⋬ s	7	0	2	22											
								0													
-0.97	16														20						
- L	17					M s	8		9	67					300					E	
-2.97	18		Poorly graded SAND v	with CLAY (SP-SC), very	loose, dark	Ä	-	3 4	•	٠.					δ						
	19		gray, wet, mie.			\/s	9	5 3	21	100		22.2	128.3								
Ę	اع	Ш	Poorly graded SAND	(SP), medium dense, oliv	e drav wet	X		8 13							20					F	
-4.97 2	20		fine to medium.	(C.), medium dense, onv	o gray, wcl,	\vdash	\dagger	10							300					F	
0.00	21														<u> </u>						
-6.97	22			ANDY Lean CLAY (CL),	soft, gray and		\downarrow								200	21.5',	Bay Mud	based o	n cuttings		
8				(SP), loose, olive gray, m	noist, fine to	/ U1	10		0 psi	93					20					E	
Ž	23		medium. [MARINE SA		CAND: C				•						300						
-8.97	24		with lenses of CLAYE	CL), soft, dark gray, wet, Y SAND. [SANDY BAY I	MUD]	Щ									000					E	
-0.97 -2.97 -4.97 -6.97 -8.97	₂₅ =		(4:			Xs1	11		10	100					\triangleright					E	
			(continued)				RF	EPOR	Г ТІТ	LE								HOLE	ID		
Department of Transportation							В	REPORT TITLE BORING RECORD							OT. 4 =	MPTNB-R5					
				on of Engineering S chnical Services	services		DI 4	DIST. COUNTY ROUTE POSTM 4 S.F. 101 8.3/9.4							STMILE 3/9.4	LE EA 163701					
			Geole	Citilical Services			PF D	PROJECT OR BRIDGE NAME Doyle Drive Replacement Project													
- <u></u>						BF	BRIDGE NUMBER PREPARED BY								DATE SHEET						
3			3	34-0163R				Ι.	∪arr	OII			11-3	o-∪8	1 of 7	1					

ELEVATION (ft)	DEPTH (ft)	Material Graphics	Description	Sample Location	Sample Number	Blows per 6 In	Blows per Foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method		Remar	ks	
-10.97	26		Poorly graded SAND (SP), medium dense, grayish brown, moist to very moist, fine. [MARINE SAND] CLAYEY SAND (SC), medium dense, very dark gray, moist to very moist, fine, with lenses of SANDY CLAY. [BAY	X		2 4 6											
-12.97	28 29		MUD] Poorty graded SAND with SILT (SP-SC), dense, yellowish brown, moist, fine. [COLMA SAND]		S12 S13	4 11 13	34 49	67 100			133.2	DS = /1.296/		PA			
-14.97	30			A		18 31			2	\$5. 7 \\ 21.8 ^	(31. \$ 129.5	DS = 1.806 DS = 2.532					
-16.97	32		Grades very dense.	X	S14	25 48 50/	98/ 10.5"	67					00000				
-18.97	34			M	S15	4.5"	06/10	"100					<u> </u>				
-20.97	36 37				S16	40	54/5"	100					$\underline{OV}\mathsf{$				
-22.97	38			\Box	S17	54/5"	54/6"						00000				
-24.97	40												MINI				
-26.97 -26.97	42		42.5 - 43.5', sub-horizontal iron-oxide stains.	X	S18	26 41 51	92	67	2	20.4	133			PA			
ORMAT.GLB 11/3/08 26.82-	44		44.0', grades dark grayish brown.	M	S19	25 45 50/3"	95/9"	83									
-30.97	46			V	S20	30	92	67									
-32.97	48				S21	43 49	50/5"	100					STREET				
-34.97 -34.97	50 51		CLAYEY SAND (SC), very dense, dark yellowish brown, moist, fine, some sub-horizontal iron-oxide seams.										<u> </u>				
-36.97 -38.97	52 5 3 5 4		53.0 - 53.5', grades to brownish gray, with iron-oxide laminations.		S22	21 21 54	75	100	2	20.8			000000000000000000000000000000000000000	PA			
EDRIVE	55		(constitute di														
DOYL!	(continued) Department of Transportation REPO BOR							LE RE		חי					HO	LE ID PTNB-R5	-
Division of Engineering Services Geotechnical Services PR							DIST. COUNTY ROUTE POSTMILE EA										
CALTR								BRIDGE NUMBER PREPARED BY 534-0163R T. Carroll							DATE 11-3-08	SHEET 2 of	7









